

Rabbit Anti-FGFR5 antibody

SL6049R

Product Name	FGFR5
Chinese Name	成纤维细胞生长因子受体 5 抗体
Alias	FGF homologous factor receptor; FGF receptor like protein 1; FGFR 5; FGFR like protein; FGFR5; FGFR1; FHFR; Fibroblast growth factor receptor 5; Fibroblast growth factor receptor like 1; FGRL1_HUMAN.
Research Area	Cell biology Signal transduction Growth factors and hormones
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Chicken, Dog, Cow, Horse, Rabbit,) ELISA=1:5000-10000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	52kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human FGFR5/FGFR1: 231-330/504
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	FGFR1 is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and

throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. A marked difference between FGFR1 and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found.

Function:

UniProtKB/Swiss-Prot: Q8N441.1 FASTA Graphics Go to: LOCUS FGRL1_HUMAN 504 aa linear PRI 01-MAY-2013 DEFINITION RecName: Full=Fibroblast growth factor receptor-like 1; Short=FGF receptor-like protein 1; AltName: Full=FGF homologous factor receptor; AltName: Full=FGFR-like protein; AltName: Full=Fibroblast growth factor receptor 5; Short=FGFR-5; Flags: Precursor.

Subunit:

Interacts with FGF2 with a low affinity.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Tissue Specificity:

Expressed preferentially in cartilaginous tissues and pancreas. Highly expressed in the liver, kidney, heart, brain and skeletal muscle. Weakly expressed in the lung, small intestine and spleen.

Similarity:

Contains 3 Ig-like C2-type (immunoglobulin-like) domains.

SWISS:

Q8N441

Gene ID:

53834

Database links:



[Entrez Gene: 53834](#) Human

[Entrez Gene: 116701](#) Mouse

[Entrez Gene: 360903](#) Rat

[Omim: 605830](#) Human

[SwissProt: Q8N441](#) Human

[SwissProt: Q91V87](#) Mouse

[SwissProt: Q7TQM3](#) Rat

[Unigene: 193326](#) Human

[Unigene: 35691](#) Mouse

[Unigene: 44953](#) Rat